

CLAIMS

1. A mobile phone comprising means for receiving a call, identification means for identifying the number of the caller from the call that comes into the device, a clock for determining the course of time, and a memory unit for storing information, wherein there is a functional connection between the identification means and the memory unit, the identification means are arranged to transfer information referring to the number of the caller of an unanswered call into the memory unit on the basis of a first response, when the call is not answered, and the memory unit is arranged to remind the user of the mobile phone of the unanswered call, on the basis of a second response obtained from the clock, of the reaching of a specific point of time.
2. A mobile phone according to claim 1, wherein said memory unit is a calendar.
3. A mobile phone according to claim 1, wherein said first response is one of the following cases,
 - said leaving a call unanswered,
 - rejecting a call that comes into the mobile phone, by pressing a specific selector.
4. A mobile phone according to claim 1, wherein the mobile phone is arranged to also give said reminder in one of the following cases,
 - when the user changes the mode of operation of the mobile phone from a first mode of operation into a second mode of operation,
 - when the user switches on the current in the mobile phone,
 - when the user starts using the mobile phone, and
 - when the user separately informs the mobile phone that he wants the reminders of unanswered calls at the point of time in question by giving a pre-determined command.
5. A mobile phone according to claim 1, wherein said reminder is given in at least one of the following forms
 - with a sound signal,
 - with text or picture that appears on the display,
 - with a light signal,
 - with a tactile alert,

6. A mobile phone according to claim 2, wherein the mobile phone is arranged to give said reminder as a calendar note.
- 5 7. A mobile phone according to claim 1, wherein the mobile phone further comprises a user interface, which user interface, is arranged to enable the user of the mobile phone to participate in the transferring procedure of the information referring to the number of the caller of an unanswered call from the caller number identification means, into the memory unit and to determine properties of the reminding function.
- 10 8. A mobile phone according to claim 2, wherein the mobile phone further comprises alerting means for starting the call creation, there is a functional connection between the call creation means and the calendar, the alerting means are arranged to receive the information referring to a telephone number from the calendar, and the alerting means are arranged to start the alerting on the basis of the information they receive from the calendar.
- 15 9. A method for reminding of unanswered calls in a mobile phone, in which method a call comes into the mobile phone, the telephone number of the caller is identified from the call that comes into the mobile phone, wherein the method comprises
 - 20 leaving the call unanswered,
 - transferring information referring to the telephone number of the caller of an unanswered call into a memory unit on the basis of a first response, and
 - 25 reminding the user of the unanswered call at a later point of time.
10. A method according to claim 9, wherein said first response is one of the following cases,
 - the user leaves a call coming into the mobile phone unanswered, and
 - 30 the user rejects an incoming call by separately pressing a reminding selector.
11. A method according to claim 9, wherein said memory unit is a calendar.
12. A method according to claim 9, wherein the method comprises
 - 35 giving said reminder in at least one of the following forms:
 - with a sound signal, with text or picture appearing on the display, with a light signal, with a tactile alert, with a note made at a specific point of time in the calendar.

13. A method according to claim 9, wherein the method comprises giving said reminder also in at least one of the following cases:
- 5 the user changes a mode of operation of the mobile phone from a first mode of operation into a second mode of operation, the user switches on the current in his mobile phone, the user starts using the mobile phone, and the user separately informs the mobile phone that he wants the reminders at the point of time in question by giving a pre-determined command.
- 10 14. A method according to claim 11, wherein the method further comprises initiating a call directly to the telephone number of the caller of an unanswered call in the calendar in response to a user procedure.
- 15 15. A method according to claim 9, wherein said reminder is given again if the user has not called the telephone number that is the object of reminding due to the previous reminder or he has not acknowledged the reminding function to be stopped as regards the telephone number in question.